**Introduction:**

In the Project, we tested desktop application (Microsoft word 2010). Microsoft word which is a widely used commercial word processor designed by Microsoft.

Testing is necessary because we all make mistakes. Some of those mistakes are unimportant, but some of them are expensive or dangerous. We need to check everything and anything we produce because things can always go wrong –As we know humans make mistakes all the time .We mainly try to cover the entire important feature in our test cases. In addition, showed a test report for representing the bugs that are produced when we tested.

Software tests have to be repeated often during development cycles to ensure quality. Every time source code is modified software, tests should be repeated. For each release of the software, it may be tested on all supported operating systems and hardware configurations. Manually repeating these tests is costly and time consuming. Therefore, we use automation for testing. Normally we can use Sikuli for testing the desktop applications and selenium for web applications.

As it is a desktop app, we used sikuli testing tool for testing this project. We use sikuli version-1.1.2. It is a tool which is work according to giving the correct instruction and proper screenshot. The main purpose of testing the Project is to identify the Bugs in the project. We tested some major functions on Microsoft word. Most of them are basic header options, which are shown after we open Microsoft word. Almost all the function that is shown after Opening that basic option is under our test case and most of them are tested automatically by using sikuli testing tool.

**Features to be tested:**

1. **Home Option(Header)**
2. ***Font Feature***
3. ***Font-Size Feature***
4. ***Bold Feature***
5. ***Italic Feature***
6. ***Underline Feature***
7. ***Strikethrough Feature***
8. ***Subscript Feature***
9. ***Superscript Feature***
10. ***Text Effects and Typography Feature***
11. ***Font Color Feature***
12. ***Bullets Feature***
13. ***Numbering Feature***
14. ***Multilevel List Feature***
15. ***Find Feature***
16. ***Replace Feature***
17. ***Cut and copy Feature***

1. **Insert Option(Header)**
2. ***Table Feature***
3. ***Cover Page Feature***
4. ***Blank Page Feature***
5. ***Pictures Feature***
6. ***Online Pictures Feature***
7. ***Shapes Feature***
8. ***SmartArt Feature***
9. ***Chart Feature***
10. ***Header Feature***
11. ***Footer Feature***
12. ***Page Number Feature***
13. ***Date & Time Feature***
14. ***WordArt Feature***
15. ***Equation & Symbol Feature***
16. **Layout(Header)**
17. ***Margins Feature***
18. ***Orientation Feature***
19. ***Size Feature***
20. ***Columns Feature***
21. ***Line Numbers Feature***
22. **View (Header)**
23. ***Read Mode Feature***
24. ***Web Layout Feature***
25. ***Gridlines Feature***
26. ***One Page Feature***
27. ***Multiple Pages Feature***

Approach:

*For testing this project firstly, we will select from requirements which features are needed to be tested. Then by following features, we will write test cases, define test coverage and exit criteria for this project. After that, we will execute all the test cases and reports the bugs if occur. Then we will do automation for reusing the code and increasing the efficiency. At last, we deliver overall report for this whole project.*

***Responsibilities:***

|  |  |
| --- | --- |
| *Name* | *Role & Responsibility* |
| *Ashadul Hoque Jahin* | *Test Case Design & Execution (Assigned to Appropriate Person)* |
| *Minhaz Uddin* | *Test Case Execution & Reports (Assigned to Appropriate Person)* |
| *Raisul Islam* | *Test Case Automation & Reports (Assigned to Appropriate Person)* |

***Schedule:***

|  |  |
| --- | --- |
| *Project Milestone* | *Deadline* |
| *Test Case Design* | *12 April 2018* |
| *Test case Execution* | *14 April 2018* |
| *Test Case Automation* | *15 April 2018* |
| *Test Reports* | *16 April 2018* |

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| --- |
| *Project Delivery Date: 18 April , 2018* |

Environmental needs:

|  |  |  |
| --- | --- | --- |
| *Tools Name* | *Reason* | *Version* |
| *Windows* | *Operating System* | *10 & 7* |
| *Sikuli* | *Automation* | *1.1.2* |
| *MS Word* | *Test Item* | *10 & 16* |
| *JDK* | *Prerequisite(Sikuli)* | *8.0.1210.13* |

**Test deliverables:**

In this project, we will try to deliver:

1. Test cases.

2. Test report (if any bug found with provide with screen shot)

3. Test coverage

4. Documentations.

**Pass/Fail criteria:**

As Microsoft, word is one of the most usable commercial software so there are some Basic requirements for passing the criteria.

1. All functionality should work properly.

2. Software should be user friendly.

3. Verifies functionality and usability of the software.

4. If any critical functional error found then it should not pass.

*All most 95% test case should be correct for pass criteria .And there should not be any moderate and functional bug after the test coverage for passing criteria.*